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(FILE 'HOME' ENTERED AT 12:18:24 ON 13 AUG 2003)

FILE 'MEDLINE, AGRICOLA, CANCERLIT, SCISEARCH, CAPLUS, MEDICONF' ENTERED
AT 12:19:14 ON 13 AUG 2003

L1 7821 S ECDYSONE OR ECDYSTEROID
L2 13482 S ECDYSONE OR ECDYSTEROID
L3 101 S L2 AND GLUCOCORTICOID
L4 82 DUP REM L3 (19 DUPLICATES REMOVED)
L5 26 S L4 AND (RESPONSE ELEMENT)
L6 26 SORT L5 PY
L7 1 S L4 AND AGGTCA
L8 78 S L4 AND RECEPTOR
L9 0 S L8 AND DOAMIN?
L10 42 S L8 AND DOMAIN?
L11 42 SORT L10 PY
L12 17 S L4 AND MAMMAL?
L13 17 SORT L12 PY

=> d an ti so au ab pi l13 16 15 12 10 8 6

L13 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:832917 CAPLUS
DN 137:347512

TI Construction of lentiviral vectors for inducible high level controlled
expression of transfected genes in **mammalian** cells and
therapeutical uses

SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2

IN Evans, Ronald M.; Saez, Enrique; Verma, Inder M.

AB The present invention provides inducible gene transfer systems and gene
transfer vectors of lentivirus for the safe and effective transfer and
expression of genes in **mammalian** cells, and for a very high
level of control of expression of the transferred genes. The inducible
gene transfer systems of the present invention may be lentiviral vectors
comprising a self-inactivating 5' LTR, a modulator-responsive promoter, a
nuclear import signal, a promoter operatively assocd. with a nucleic acid
encoding a modulator-responsive receptor, an RNA stabilizing element, and
a self-inactivating 3' LTR. Thus, the present invention provides vectors
for packaging and delivering DNA to both dividing and non-dividing cells.
The present invention also provides methods for treating subjects with the
gene transfer systems of the present invention, and cells contg. the gene
transfer systems.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002086064	A2	20021031	WQ 2002-US12212	20020417
WO 2002086064	A3	20030417		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

L13 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:907167 CAPLUS
DN 138:16588

TI Method for modulating expression of exogenous genes in **mammalian**
systems using modified **ecdysone** receptors for gene therapy

SO U.S. Pat. Appl. Publ., 43 pp., Cont.-in-part of U.S. Ser. No. 974,530,
abandoned.

CODEN: USXXCO

IN Evans, Ronald M.; No, David; Saez, Enrique

AB The present invention provides various methods for modulating the
expression of an exogenous gene in a **mammalian** subject employing

modified **ecdysone** (**ecdysteroid**) receptors in steroid inducible system. Modified **ecdysone** receptors can be in the form of homodimeric species or heterodimeric species comprising at least one silent partner of the steroid/thyroid hormone superfamily of receptors, along with an invention modified **ecdysone** receptor. There are provided nucleic acids encoding modified **ecdysone** receptors, modified **ecdysone** receptor response elements, gene transfer vectors, recombinant cells, and transgenic animals contg. nucleic acid encoding invention modified **ecdysone** receptor. The invention method is useful in a wide variety of applications where inducible in vivo expression of an exogenous gene is desired, such as in vivo therapeutic methods for delivering recombinant proteins into a variety of cells within a patient.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002177564	A1	20021128	US 1998-42488	19980316

L13 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1999:736508 CAPLUS

DN 131:356081

TI Formulations useful for modulating expression of exogenous genes in **mammalian** systems, and products related thereto

SO PCT Int. Appl., 90 pp.

CODEN: PIXXD2

IN Evans, Ronald M.; Saez, Enrique

AB In accordance with the present invention, there are provided various methods for modulating the expression of an exogenous gene in a **mammalian** subject employing modified **ecdysone** receptors. Also provided are modified **ecdysone** receptors, as well as homomeric and heterodimeric receptors contg. same, nucleic acids encoding invention modified **ecdysone** receptors, modified hormone response elements, gene transfer vectors, recombinant cells, and transgenic animals contg. nucleic acids encoding invention modified **ecdysone** receptor.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958155	A1	19991118	WO 1999-US8381	19990416

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6333318	B1	20011225	US 1998-79570	19980514
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CA 2328521	AA	19991118	CA 1999-2328521	19990416
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AU 9936486	A1	19991129	AU 1999-36486	19990416
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AU 759521	B2	20030417		
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EP 1076569	A1	20010221	EP 1999-918614	19990416
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

JP 2002514609	T2	20020521	JP 2000-548006	19990416
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US 2002187972	A1	20021212	US 2001-949278	20010907
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L13 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1998:789169 CAPLUS

DN 130:21972

TI Method for identification of modified receptor ligands and methods for using modified receptor to modulate expression of exogenous gene in **mammalian** cell

SO PCT Int. Appl., 26 pp.

CODEN: PIXXD2

IN Forman, Barry M.

AB Novel modified receptor proteins and ligands that bind to these receptor proteins are provided. Also included in the present invention are methods of identifying ligands that bind to such modified receptor proteins and methods of use of the modified receptor to modulate the expression of an exogenous gene in a **mammalian** subject. Claimed receptors

include the retinoic acid receptor, glucocorticoid receptor, mineralocorticoid receptor, thyroid receptors, ecdysone receptor, and estrogen-related receptors.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9852968	A1	19981126	WO 1998-US10671	19980521
W: CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 988315	A1	20000329	EP 1998-926068	19980521
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				

L13 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1997:684510 CAPLUS

DN 128:960

TI Hormone-mediated methods for modulating expression of exogenous genes in mammalian systems using ecdysone receptor fusion proteins

SO PCT Int. Appl., 105 pp.

CODEN: PIXXD2

IN Evans, Ronald M.; No, David

AB Mammalian expression systems using a modified ecdysone receptor to regulate expression of the foreign gene from an ecdysteroid-responsive promoter are described. Modified homo- and heterodimeric ecdysone receptors, modified ecdysterone response elements, transfer vectors and transgenic animals are described. Fusion proteins of ecdysone receptors and other hormone receptors contg. the ecdysone receptor ligand-binding domain, a DNA-binding domain, and the transcription activating domain of a mammalian hormone receptor, e.g. RXR are described. The ecdysone receptor may form a heterodimer with a receptor such as RXR by incorporating the peptides needed for their specific interaction. In addn., the DNA binding domain of the ecdysone receptor may be modified to that of another steroid hormone receptor. The system is an alternative to the prior art tetracycline regulation system that uses a eukaryotic regulation mechanism and a naturally lipophilic compd. that is easier to administer than tetracycline. The system can also be optimized to avoid complications such as adventitious induction of gene expression through the farnesoid X receptor. Construction of such a system in animal cell lines is described. Induction ratios of .gtoreq.100-fold were achieved with muristerone at concns. as low as 100 nM for a .beta.-galactosidase reporter gene. Transgenic mouse lines in which T cell-specific induction of a reporter gene by ecdysteroids was possible were constructed.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9738117	A1	19971016	WO 1997-US5330	19970327
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2251466	AA	19971016	CA 1997-2251466	19970327
AU 9725572	A1	19971029	AU 1997-25572	19970327
CN 1215432	A	19990428	CN 1997-193597	19970327
EP 910652	A1	19990428	EP 1997-917146	19970327
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2000508895	T2	20000718	JP 1997-536281	19970327

L13 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1997:72295 CAPLUS

DN 126:85631

TI A gene switch comprising an insect ecdysone receptor or fusion product allows gene control by external chemical inducer and has agricultural and pharmaceutical applications

SO PCT Int. Appl., 121 pp.
CODEN: PIXXD2

IN Jepson, Ian; Martinez, Alberto; Greenland, Andrew James

AB The invention relates to an insect steroid receptor protein which is capable of acting as a gene switch which is responsive to a chem. inducer enabling external control of the gene. The *Heliothis virescens* **ecdysone** receptor and the *Spodoptera exigua* **ecdysone** receptor or **glucocorticoid** receptor can be used. Expression of insect hormone receptors in plant, fungus, bacteria, or **mammal** can be useful. Plasmid constructs encoding insect hormone receptor fusion proteins with transactivator proteins of other sources are also included. Various promoters in plasmid constructs are included in further variations.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9637609	A1	19961128	WO 1996-GB1195	19960520
W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN			
CA 2219121	AA	19961128	CA 1996-2219121	19960520
AU 9657716	A1	19961211	AU 1996-57716	19960520
AU 711391	B2	19991014		
EP 828829	A1	19980318	EP 1996-914309	19960520
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
CN 1191568	A	19980826	CN 1996-195739	19960520
JP 11506319	T2	19990608	JP 1996-535473	19960520
BR 9608897	A	19990629	BR 1996-8897	19960520
NZ 308162	A	20000228	NZ 1996-308162	19960520
US 6379945	B1	20020430	US 1996-653648	19960524
NO 9705419	A	19980122	NO 1997-5419	19971125

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L Number	Hits	Search Text	DB	Time stamp
-	677	ecdysone or ecdysteroid	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/08/13 14:03
-	442	(ecdysone or ecdysteroid) and (receptor\$5 or \$10element)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/08/12 13:27
-	126	((ecdysone or ecdysteroid) and (receptor\$5 or \$10element)) and (DNA adj binding)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2001/12/13 15:14
-	3	("6214620").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2001/12/13 17:05
-	8	VgEcr	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2002/11/01 13:39
-	86	(Ecdysone or ecdysteriod)and (rxr or usp)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2002/11/01 13:41
-	39	((Ecdysone or ecdysteriod)and (rxr or usp)) and (retrovir\$5 or HIV or lentivir\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2002/11/01 13:41
-	3	("6214620").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/12 15:12
-	2	("6504082").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/12 13:23
-	634	(ecdysone or ecdysteroid) SAME (receptor\$5 or \$10element)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/08/12 13:27
-	235	EVANS NEAR ronald	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/08/12 13:28
-	22	(EVANS NEAR ronald) and ((ecdysone or ecdysteroid) SAME (receptor\$5 or \$10element))	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/08/12 13:41
-	275	((ecdysone or ecdysteroid) and (receptor\$5 or \$10element)) and (DNA adj binding)) and glucocorticoid\$15	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/08/12 13:57
-	211	((ecdysone or ecdysteroid) SAME (receptor\$5 or \$10element)) and (((ecdysone or ecdysteroid) and (receptor\$5 or \$10element)) and (DNA adj binding)) and glucocorticoid\$15)	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/08/12 13:57

-	34	((ecdysone or ecdysteroid) SAME (receptor\$5 or \$10element)) and (((ecdysone or ecdysteroid) and (receptor\$5 or \$10element)) and (DNA adj binding)) and glucocorticoid\$15)) and ecdysone.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/08/12 13:57
-	16	(US-6214620-\$ or US-6333318-\$ or US-6362394-\$ or US-6281330-\$ or US-6278040-\$ or US-6265173-\$ or US-5906920-\$ or US-6245531-\$ or US-5874534-\$ or US-6576422-\$ or US-6504082-\$).did. or (US-20020119521-\$ or US-20020187972-\$ or US-20020177564-\$ or US-20030109683-\$ or US-20020182698-\$).did.	USPAT; US-PGPUB	2003/08/12 15:12
-	6	((US-6214620-\$ or US-6333318-\$ or US-6362394-\$ or US-6281330-\$ or US-6278040-\$ or US-6265173-\$ or US-5906920-\$ or US-6245531-\$ or US-5874534-\$ or US-6576422-\$ or US-6504082-\$).did. or (US-20020119521-\$ or US-20020187972-\$ or US-20020177564-\$ or US-20030109683-\$ or US-20020182698-\$).did.) and glucocorticoid.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/12 15:14
-	830	Christopherson	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/08/13 14:05
-	33	Christopherson and ecdysone	USPAT; US-PGPUB; EPO; JPO; DERWENT; USOCR	2003/08/13 14:05